

Welcome!



MULTIPLE STAKEHOLDERS. ONE VISION.

POSTSECONDARY ELECTRONIC STANDARDS COUNCIL

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THIS IS PESC.

MICHAEL D. SESSA
PRESIDENT & CEO
PESC
www.pesc.org
michael.sessa@pesc.org
+1.202.261.6516



ESTABLISHED IN 1997 AT THE NATIONAL CENTER FOR HIGHER EDUCATION

PESC, as a neutral, 501(c)(3) non-profit, membership association, serves its Members and the general public under one common, shared student/learner-centric mission. Optimizing institutional performance, reducing cost and improving data quality and integrity – all benefits of standardization – maximized by PESC's open, transparent and volunteer-based platform, create a broad, international movement.

Together, we look to advance this mission, expand the global voice, grow and maintain an active and thriving Membership and establish a clear, strategic path for the future.

Join the effort. Join the community. Join PESC.

LEADING THE ESTABLISHMENT & ADOPTION OF
TRUSTED, FREE & OPEN DATA STANDARDS ACROSS
THE EDUCATION DOMAIN SINCE 1997

THIS IS OUR STORY.

www.PESC.org



INTER-STATE TOLL BOOTHS

E-ZPass Interagency Group, a community-based association of states and agencies.



MORTGAGES

MISMO - Mortgage Industry Standards Maintenance Organization, a not-for-profit, community-based membership association and subsidiary of the Mortgage Bankers Association.



CREDIT CARDS

Networks like MasterCard and VISA work with the PCI Data Security Standards Council, a not-for-profit community-based membership association.

STANDARDS MAKE THE WORLD GO 'ROUND

**ALL INDUSTRIES HAVE
STANDARDS BODIES.**



**“EMBRACE COMMON STANDARDS
AND DATA SYSTEMS
SO WE CAN KNOW WHERE WE STAND
AND HOW TO MOVE FORWARD.”**

Bill Gates
Bill & Melinda Gates Foundation
National Conference of State Legislatures
July 21, 2009

OUR VALUES



PESC leads the establishment and adoption of trusted, open data standards across the education domain by serving as an open standards-development and open standards-setting body producing PESC Approved Standards.



PESC envisions complete, global connectivity within and throughout the education domain.



PESC optimizes institutional performance and data quality.



PESC reduces cost and simplifies access.



PESC enables sustainable best practices & innovative solutions that streamline emerging technologies and disparate information systems.

PESC promotes standards-based, lifelong student/learner-centric design & data models, hub & spoke models, federated identity, directory-based services and affiliated open architectures.

PESC Members believe that fostering open, transparent collaboration across educational communities to solve common, industry-shared problems brings much needed clarity and coherence to the education and employment ecosystem.

www.PESC.org

ESTABLISHED IN 1997 AT THE NATIONAL CENTER FOR HIGHER EDUCATION IN WASHINGTON, D.C.,
PESC IS EDUCATION'S OPEN DATA STANDARDS-SETTING BODY.

THREE PILLARS OF PESc



5 GOLDEN PRINCIPLES OF DATA QUALITY & INTEGRITY



Blueprint for the efficient, secure & successful transition from high school into the higher education & workforce environment.

Advocacy

1) DATA STANDARDS

Adopt, align & implement community-sourced data standards

2) DATA GOVERNANCE

Support an open collaborative, transparent group of stakeholders

3) DATA ADVOCACY

Advocate in policy-maker & IT sectors for high prioritization of data standards

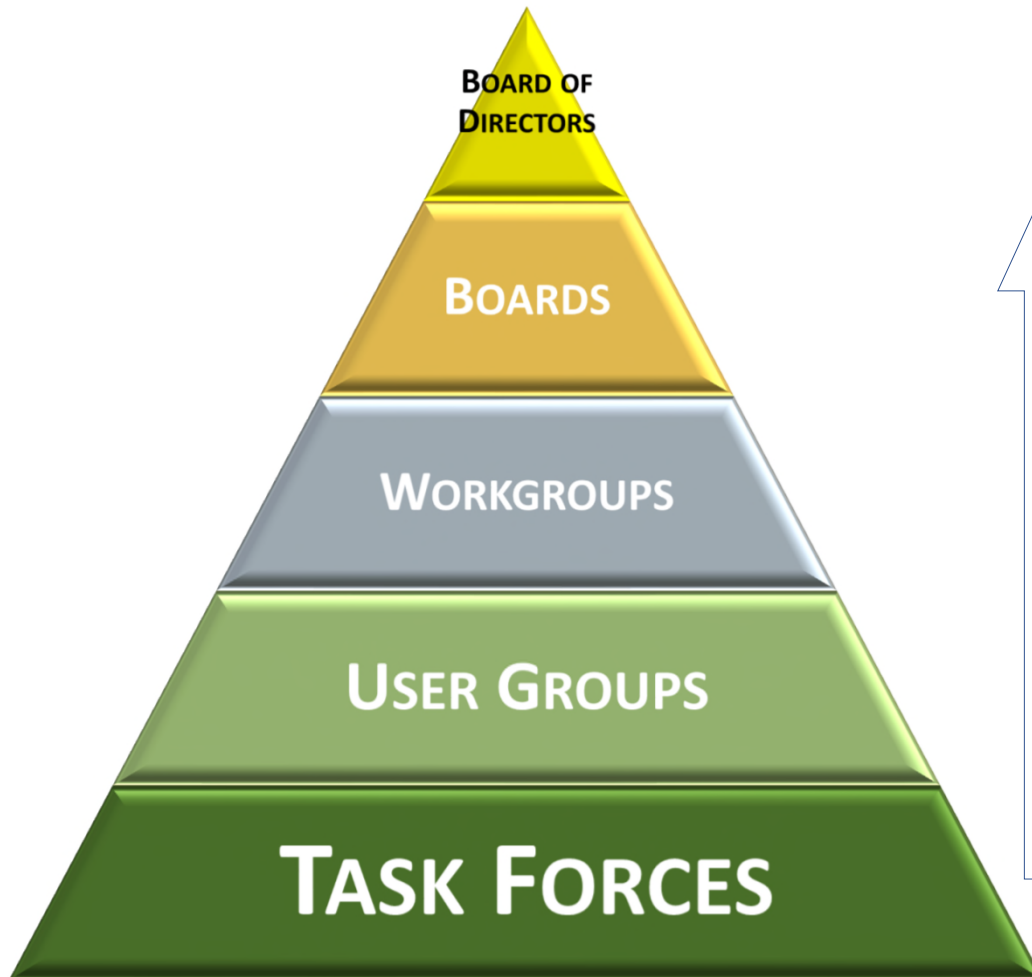
4) DATA USAGE

Commit to using high quality linked open data across all applications, systems and networks

5) DATA PERSPECTIVE

Ensure a 'P20W' (lifelong) & international perspective in all aspects of development

HOW WE OPERATE



ORGANIZATIONAL MATURATION CYCLE

BOARD OF DIRECTORS

Overall governance

BOARDS

Member experts governing standards (CCB, TAB)

WORKGROUPS

Standards development by experts (Admissions)

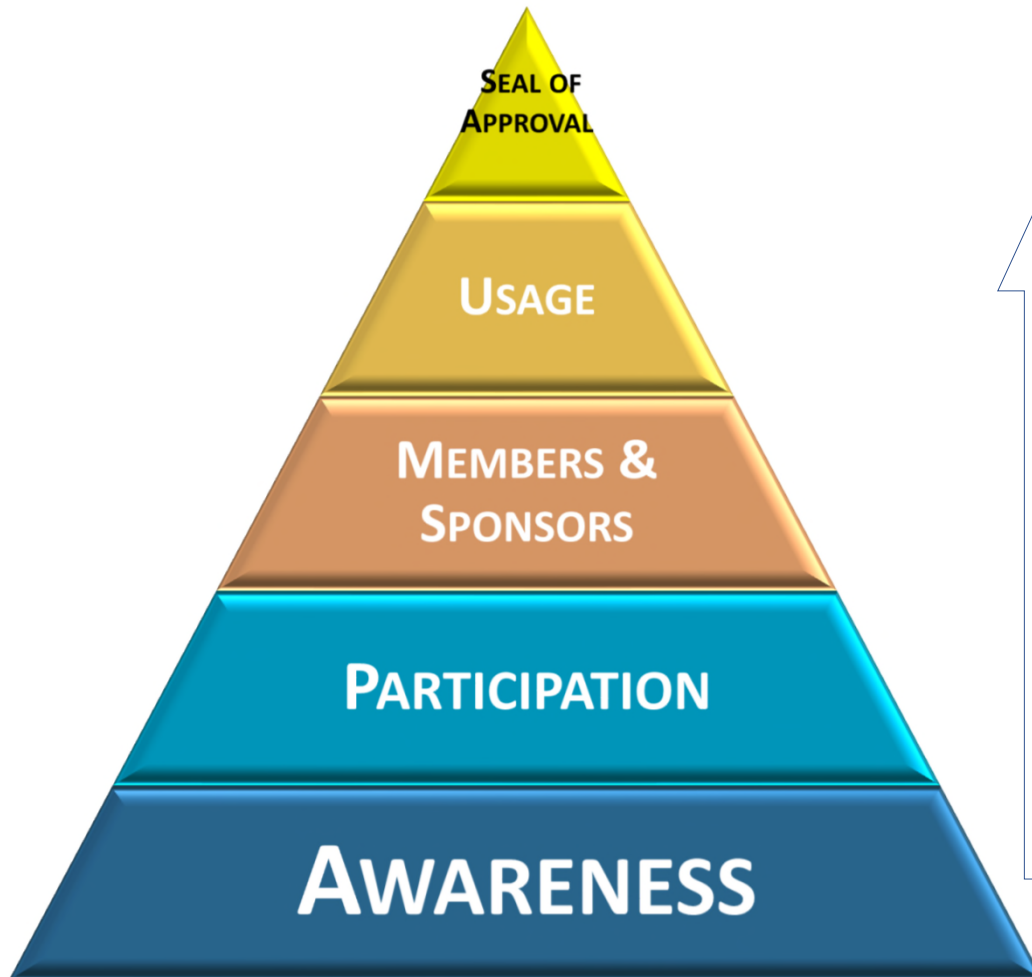
USER GROUPS

Organization, development (EdExchange, GEO)

TASK FORCES

Discussion topics of interest and trends (Privacy)
Lead to User Groups and Workgroups

OUR FOOTPRINT



BRAND MATURATION CYCLE

SEAL OF APPROVAL

PESC's Premiere Brand

USAGE & IMPLEMENTATION

PESC Approved Standards, Technology & Services

MEMBERS & SPONSORS

Organizations Funding PESC

PARTICIPATION IN PESC

Data Summits, Groups

AWARENESS OF STANDARDIZATION

Outreach, Events, Conferences, Partnerships

THE EVOLUTION OF PESC APPROVED STANDARDS BY TECHNOLOGY

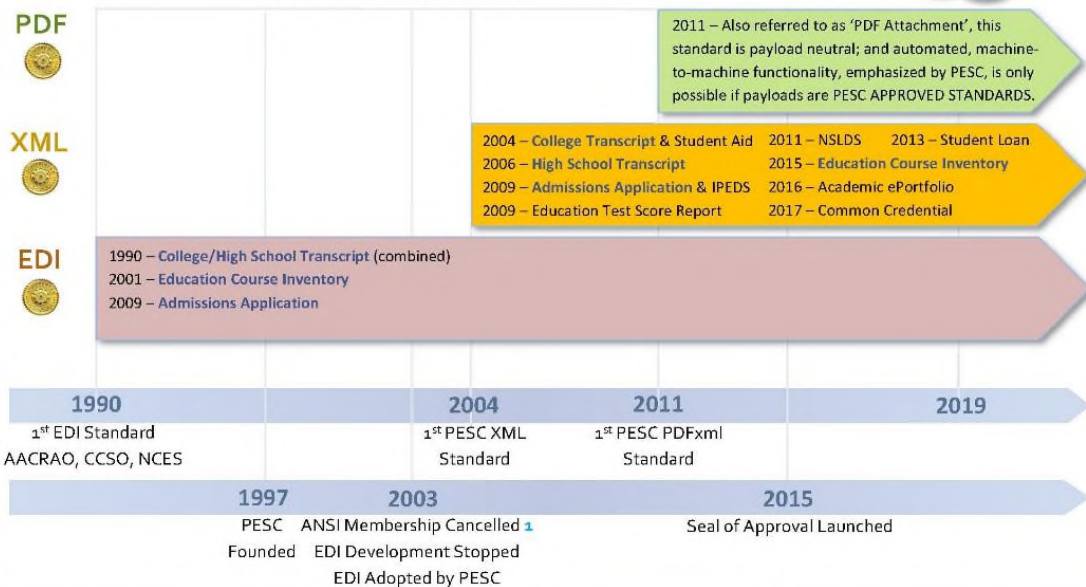


Table 1. *The Evolution of PESC APPROVED STANDARDS by Technology*

As the community adopts a new technology, PESC develops and produces a corresponding PESC APPROVED STANDARD in that technology. Data contained in a PESC APPROVED STANDARD in one technology is equal to in value and integrity to the same PESC APPROVED STANDARD in a different technology. For example, one organization using the PESC APPROVED College Transcript in EDI can trust another organization using the PESC APPROVED College Transcript in XML as development and production (through mapping) use the same definitions, taxonomies and code sets.

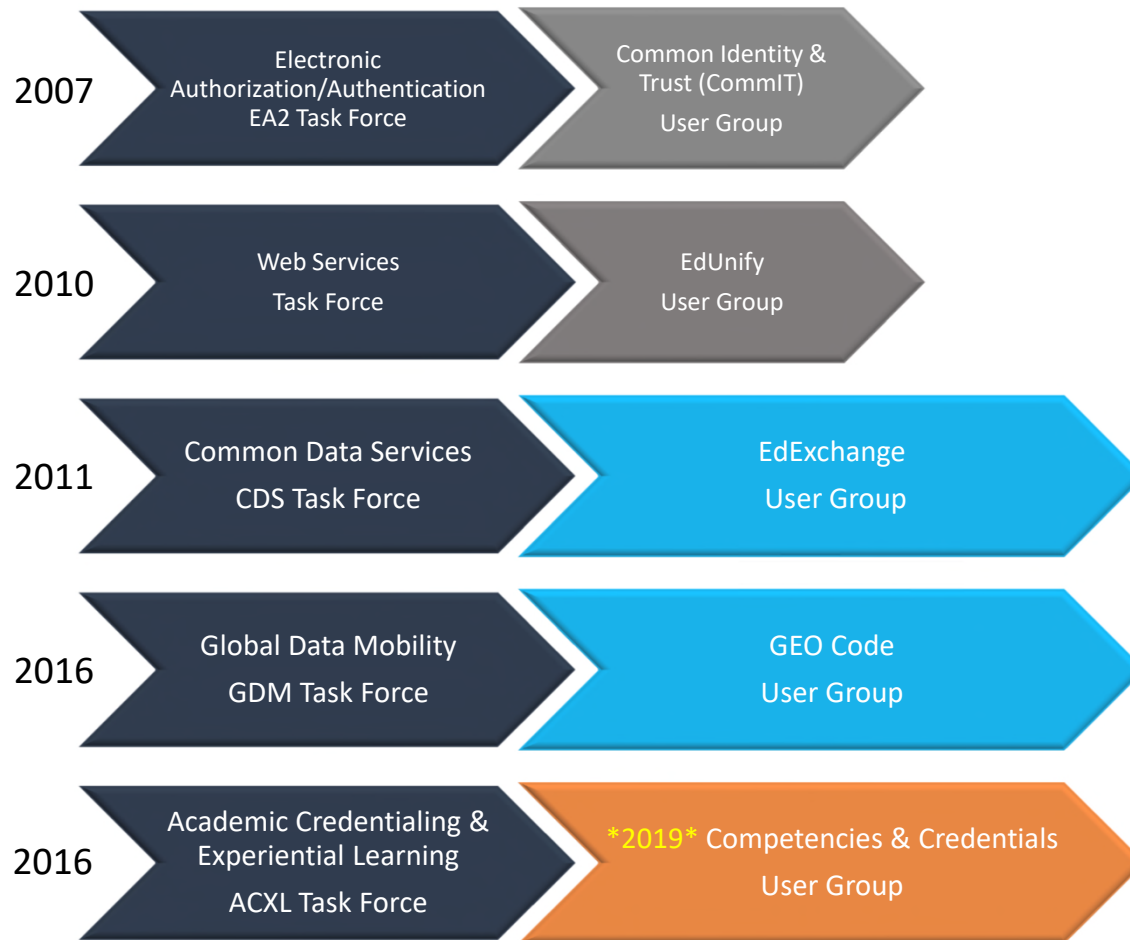
GLOSSARY OF TERMS

AACRAO	American Association of Collegiate Registrars & Admissions Officers	JSON	JavaScript Object Notation JSON - LD (Linked Data)
ANSI	American National Standards Institute, US Chamber of Commerce	NCES	National Center for Education Statistics, US Dept. of Education
CCSSO	Council of Chief State School Officers	NSLDS	National Student Loan Data System
EDI	Electronic Data Interchange	PDFxml	Portable Data Format XML data embedded
IPEDS	Integrated Postsecondary Education Data System	XML	eXtensible Markup Language

EVOLUTION OF DATA STANDARDS DEVELOPMENT

VOLUNTARY CONSENSUS STANDARDIZATION & ADOPTION

OUR PUBLIC PURPOSE



DEVELOPMENT MATURATION CYCLE

From ideas, to projects, to standards

COMMIT (inactive)

Partnered with Internet2

EDUNIFY (inactive)

PESC

EDEXCHANGE (active)

PESC, Driven by California Community Colleges

GEO CODE (active)

PESC, Resurrect PESC Single Institution ID

COMPETENCIES & CREDENTIALS

NEW – Launch at Spring 2019 Data Summit



- **PESC APPROVED STUDENT FINANCIAL AID XML STANDARD**
 - implemented in every U.S. college and university, by US Department of Education and loan servicers*
- **HIGH SCHOOL AND/OR COLLEGE TRANSCRIPTS**
 - used/implemented across Canada & USA –
 - CA, GA, IN, NC, OH, VA and throughout Alberta, BC and Ontario
- **PESC EdEXCHANGE**
 - California Community Colleges, Parchment, ECE & Digitary – National Student Clearinghouse, Credentials Solutions, University of Phoenix
- **PESC GEO CODE**
 - in production at University of Southern California – new directory in production test phase

OUR FOOTPRINT



➤ **PARTNERS:**

AACRAO, ARUCC, A4L, US CEDS, Connecting Credentials, DXtera Institute, EMREX, EWP, GDN, HROS, SHEEO, T3 Innovation Network , US Chamber of Commerce Foundation

➤ **EXHIBITIONS:**

AACRAO, ARUCC, US NCES

➤ **SPONSORS:**

Credentials Solutions, Digitary, National Student Clearinghouse, Parchment, DegreeData, ECE

➤ **SPONSORSHIPS/AFFILIATIONS:**

AACRAO, AIR, California, GDN, US NCES

OUR OUTREACH



- **ADMISSIONS WORKGROUP FOR STANDARDIZING RECRUITMENT DATA**
- **CANADIAN PESC USER GROUP (CANPESC)**
- **DATA PRIVACY & PROTECTION TASK FORCE**
- **EDPLAN DEVELOPMENT WORKGROUP**
- **GLOBAL EDUCATION ORGANIZATION (GEO) CODE USER GROUP & STEERING**
- **JSON-LD TASK FORCE**
- **BOARD OF DIRECTORS**
- **COMPETENCIES & CREDENTIALS USER GROUP & STEERING**
- **EDEXCHANGE USER GROUP & STEERING**
- **STANDARDS DEVELOPMENT FORUM FOR EDUCATION & STEERING**
 - CHANGE CONTROL BOARD (CCB) & TECHNICAL ADVISORY BOARD (TAB)
 - EDUCATION RECORD USER GROUP (ERUG) & AACRAO SPEEDE

Free & Open

Member-Based

OUR GROUPS



- **ACADEMIC COLLEGE TRANSCRIPT**
- **ACADEMIC CREDENTIAL & EXPERIENTIAL LEARNING**
- **ACADEMIC HIGH SCHOOL TRANSCRIPT**
- **ADMISSIONS APPLICATION**
- **EDUCATION COURSE INVENTORY**
- **EDUCATION TEST SCORE REPORTING**
- **EPORTFOLIO**
- **STUDENT FINANCIAL AID**

EDI | JSON | JSON-LD | PDF | XML

**PESC APPROVED
STANDARDS**



➤ **FALL 2019 DATA SUMMIT**

➤ OCTOBER 22 – 25, 2019 | MONTREAL

➤ **TECHNOLOGY & STANDARDS IN**

EDUCATION AND EMPLOYMENT

➤ APRIL 27, 2020 – MAY 1, 2020 | DC

OUR EVENTS



PESc Board '10 Year Service' DC May 3-5, 2017

GDN Board in Melbourne April 26-28, 2017

PESc In San Diego October 14, 2016

PESc at GDN in Melbourne April 26-28, 2017

PESc at GDN in Melbourne April 26-28, 2017

PESc at NDIA/ADL in Alexandria August 1, 2017

EWPP at PESc San Diego May 3-5, 2017

PESc in San Diego October 14, 2016

PESc at EWP in Brussels Sept 26, 2017

PESc at EWP in Brussels Sept 26, 2017

PESc at EAIIE in Glasgow Sept 15, 2015

PESc at GDN in Cape Town May 17-19, 2015

PESc at Blockhain Conference in Groningen Sept 5, 2017

PESc at GDN in Melbourne April 26-28, 2017